

ABSTRACT OF THE DISCLOSURE

A multiplex communication system includes a plurality of networks and a data relay unit. When an event occurs in a node belonging to one of the networks, the node (sender node) sends a wake-up frame before it sends an event frame. In response to the wake-up frame, the nodes belonging to the same network which includes the sender node are activated and the data relay unit sends a wake-up frame to the respective networks for activating the networks. When it is determined that each of the networks is activated, the data relay unit sends a network activation notifying (NAN) frame regarding the network to all the networks. The NAN frame regarding the network represents that the network is activated. The sender node sends the event frame in response to the NAN frame regarding the destination network of the event frame.